


Designation IEC (Draft):
HR 6

Size:..... **AA**
 Nominal Voltage:..... **1.2 V**
 Rated Capacity:..... **2100 mAh**
 Internal Resistance DC, fully charged:..... **45 mOhm**
 Impedance AC at 1kHz, fully charged:..... **36 mOhm**

0.2 C / 1.00 V:..... **2100 mAh**
 1.0 C / 0.90 V:..... **1900 mAh**
 Max Discharge Current (continuous / 0.8 V):..... **4.8 A**
 Max Short Time Current (2 sec / 0.75 V):..... **8.0 A**

Charge Retention:

After one year 75% of initial capacity at 20° C determined at 0.2 C rate

Dimensions (including shrink sleeve/label):

Diameter a:..... **14.5^{-1.0} mm**
 Height b:..... **50.5^{-1.0} mm**
 Shoulder Height c:..... **48.3^{-1.0} mm**
 Cap Diameter d:..... **5.5^{-0.5} mm**
 Volume:..... **8 cm³**
 Weight approx:..... **28 g**
 Energy Density:..... **315 Wh/l**
 Specific Energy:..... **90 Wh/kg**

Charge Conditions at:

Standard Charge:..... **210 mA, 16 h**
 Fast Charge:..... **2100 mA (-dV)**
 Trickle Charge (0.03 - 0.05 C):..... **63 – 105 mA**

Temperatures (recommended / permissible) at:

Storage:..... **-20° C ... 25° C / -20° C ... 40°**
 Charge:..... **15° C ... 30° C / 0° C ... 45°**
 Fast Charge:..... **15° C ... 30° C / 0° C ... 40°**
 Discharge:..... **0° C ... 40° C / 0° C ... 50°**

Life Expectancy at Cycling, IEC 61951:
more than 500

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